

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Method for registering a device in a wireless network ~~comprising a central controller~~, comprising:

(a) asking a user, through a user interface, whether he wants to install a new network or install said device on an existing network, and, in case the user wants to install a new network:

(b) asking the user to enter a PIN code, said entered PIN code becoming the PIN code of the new network;

(c) generating an authentication key which becomes the authentication key of the new network; and

(d) the device becoming the central controller of the new network, and
in case the device is to be installed on an existing network comprising an existing central controller:

(e) asking the user to enter a PIN code;

(f) checking by said existing central controller whether the entered PIN code corresponds to a PIN code of the existing network and if such checking is positive, sending an authentication key of the existing network from said existing central controller to said device; and

(g) storing said authentication key of the existing network by said device for use in authentication procedures between said device and said existing central controller.

2. Cancelled

3. Cancelled

4. Cancelled

5. Cancelled

6. (Original) Method according to claim 1, wherein the authentication key generated at step (c) is generated by a random generator.

7. (Original) Method according to claim 1, wherein the authentication key generated at step (c) is the result of a function depending on a device identifier and on said PIN code of the network.

8. (Currently Amended) Method according to claim 1, wherein said authentication key of ~~the~~ one of said existing and new networks is encrypted using a secret session key before being sent to said device, the secret session key being previously negotiated between said device and ~~said~~ its corresponding central controller.

9. (Currently Amended) Method for registering a device in a wireless network ~~comprising a central controller,~~ comprising:

- (a) asking a user, through a user interface, whether he wants to install a new network or to install the device on an existing network; and
in case the user wants to install a new network:
- (b) asking the user to enter a PIN code, said entered PIN code becoming the PIN code of the new network; and
- (c) the device becoming the central controller of the network; and
in case the device is to be installed on an existing network comprising a central controller:
- (d) asking the user to enter a PIN code;
- (e) said device sending said PIN code and a device identifier to said central controller of the existing network;
- (f) checking by said central controller of the existing network whether the entered PIN code corresponds to a PIN code of the existing network and, if such checking is positive, generating an authentication key and sending said

authentication key from said central controller of the existing network to said device; and

(g) storing said authentication key in said device for use in authentication procedures between said device and said central controller of the existing network.

10. (Currently Amended) Method according to claim 9, wherein the authentication key generated at step (f) is the result of a function depending on a device identifier and on said PIN code of the existing network.

11. (Currently Amended) Method according to claim 9, wherein said authentication key of the network is encrypted using a secret session key before being sent to said device, the secret session key being previously negotiated between said device and said central controller of the existing network.